

ABSTRACT

A floating solar chimney includes several parts, e.g., the Main Chimney, the Heavy Base, and the Folding Lower Part. The main chimney includes 5 cylindrical balloon rings full of non flammable light gas. The cylindrical balloon rings are tied with the help of supporting rings so that together they form one or more compact units of the main chimney. The compact parts of the main chimney are fastened on the heavy base. The successive compact parts are separated by separating rings filled 10 with environmental air that can go in and out of the separating rings, so that the dynamic independence of the successive compact parts is ensured. The main chimney, which can float, is configured to sit on a chimney seat, and is connected to the heavy base. The lower part of the heavy base is fastened to the folding lower part. The air can enter and come 15 out freely from the rings of folding lower part in order to enable the floating solar chimney to achieve any suitable decline as dictated by the exterior winds.